Version with Markings to Show Changes Made

1. (Once Amended) A method for transmitting data by a first communication device, the method comprising steps of:

receiving, from a second communication device, a message that comprises socket information and that requests an establishment of a connection based on the socket information, and wherein the socket information comprises destination information;

translating the message requesting an establishment of a virtual connection to a connection request;

routing the connection request to the destination identified by the socket information, wherein a virtual connection is established based on the connection request;

receiving, from the second communication device, a data packet that comprises a payload and does not include at least a portion of the socket information;

generating a header that comprises missing socket information;

adding the header to the payload to produce a modified data packet; and

routing the modified data packet to the identified destination.

6. (Once Amended) The method of claim [5] 1, wherein the step of adding a header that comprises missing socket information comprises a step of adding a header that corresponds to at least a portion of a TCP/IP (Transmission Control Protocol/Internet Protocol) suite.

7. (Once Amended) The method of claim [5] 1, wherein the header is based on the socket information included in the message.

8. (Once Amended) The method of claim [5] 1, wherein the header is based on packet data convergence protocol (PDCP) context.

9. (Once Amended) The method of claim [5] 1, wherein the header is based on configuration information.

25. (Once Amended) A communication device capable of operating in a fixed infrastructure of a wireless communication system, the communication device having a processor capable of receiving a message from a different communication device, wherein the message comprises socket information and requests an establishment of a connection based on the socket information, and wherein the socket information comprises destination information, translating the message requesting an establishment of a virtual connection to a connection request, routing the connection request to the destination identified by the socket information, wherein a virtual connection is established based on the connection request, receiving, from the different communication device, a data packet that comprises a payload <u>and does not include at least a portion of the socket information</u>, generating a header <u>that comprises missing socket information</u>, adding the header to the payload to produce a modified data packet, and routing the modified data packet to the identified destination.

31. The communication device of claim [30] <u>25</u>, wherein the header is based on the socket information included in the message.

32. The communication device of claim [30] <u>25</u>, wherein the header is based on packet data convergence protocol (PDCP) context.

33. The communication device of claim [30] <u>25</u>, wherein the header is based on configuration information.

34. The communication device of claim [30] <u>25</u>, wherein the addition of a header comprises adding headers corresponding to a TCP/IP (Transmission Control Protocol/Internet Protocol) suite.